

File : DDA

cc: DDS&T

ODP 1978-77
30 September 1977

MEMORANDUM FOR: Executive Officer, DDA

FROM : Clifford D. May, Jr.
Director of Data Processing

SUBJECT : RD&E Problem Area Statements

REFERENCE : DDS&T 4023-77 dtd 30 Aug. 77,
same subject

1. Please pass the attached to Chief, R&D Planning Staff, DDS&T, as ODP's response to the referenced memorandum.

2. As you know, ODP has been in close contact with ORD for the past few years on RD&E projects related to ADP. I receive a quarterly briefing from ORD on the status of these projects, and many of my people work closely with ORD project managers as these projects develop. I believe we have a good working relationship with DDS&T on RD&E projects in the ADP area, and welcome this opportunity to provide our input once more.

STATINTL

Clifford D. May, Jr.

Att: a/s

Distribution:

Orig + 1 - adse
1 - ODP Registry
2 - O/D/ODP
1 - C/SPD

O/D/ODP/ [REDACTED] ee/9-30-77

STATINTL

30 September 1977

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ADP Problem Areas Foreseen by ODP

Planning for computer-related research and development is often hampered by the rapid change in technology. For this reason, our research objectives tend to be directed towards the shorter term. ODP maintains an excellent relationship with the Office of Research and Development, and we are enthusiastic participants in the fiscal year planning exercises run by ORD. Through this mechanism, we have indicated our continuing interest in several broad areas relating to computers, including distributed computing, data communications, data base management, computer terminals, text searching, computers security, and advanced technology.

Through discussions with senior ODP management, we have established several areas of significant long range interest:

- ° Distributed Computing - we will request assistance from ORD in understanding effective mechanisms for utilizing small-scale and special purpose processors integrated with our central computing resources.
- ° Data Communications - we will want to explore the potential application of new communications technology, such as fiber optics, for digital and image transmission.
- ° Data Base Management - we require exploration into future software and hardware technology for data base management, with an emphasis on large file storage and retrieval.
- ° Analytical Methodology - we expect to sponsor research directed towards analytical means of processing the large data files associated with the SAFE system to enhance the intelligence value of the data.
- ° Future Technology - we will continue to utilize ORD to help us stay abreast of burgeoning computer technology. Of particular value would be techniques for developing accurate technology forecasting and determining cost and performance trends for computing equipment and peripherals.
- ° Advanced Terminals - we would like to see some exploration directed towards the development of low cost intelligent terminals, with emphasis on terminal display and memory technology.

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- Word Processing - the integration of future word processing facilities with the ODP general and SAFE computing facilities has been identified as an area of future research involvement.

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

RD&E Program

ODP #1927-77

FROM:

Executive Officer/DDA

EXTENSION

NO.

DD/A 77-5250

DATE

21 Sept 77

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. Director/Office of
DATA PROCESSING

2. EO

3. A/C/MS

See ODP-1765-77
date 9/27/77

On 1 September I forwarded a DDS&T memo concerning RD&E problem area statements. This asked for descriptions of problem areas during the next five to seven years. Your responses are due by the end of this month.

FYI there is attached a memo from DDS&T concerning FY'80 RD&E Program and the schedule to be followed in review of RD&E proposals.

Copies to A/C/MS ✓
C/SPD ✓

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TOP #/922-77

DD/S&T-4518-77


19 September 1977

MEMORANDUM FOR: Deputy Director for Administration
Deputy Director for Intelligence
Deputy Director for Operations

SUBJECT: FY-80 RD&E Program

(C) Based on the planning inputs expected from you within the next few days concerning the RD&E program, I plan to provide guidance about the FY-80 RD&E Program to the appropriate Office Directors during the first part of October. I have asked the Office Directors to provide descriptions of their proposed projects to your staff by about Thanksgiving. Your review and prioritization of the proposed projects before Christmas would be very helpful. After consolidation of all the RD&E proposals I will coordinate the results with you. This coordination will occur sometime early next year when the schedule for the budget activities is firmly established.

25X1A


LESLIE C. DIRKS
Deputy Director
for
Science and Technology

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ROUTING AND RECORD SHEET

File: DDA

SUBJECT: (Optional)

RD&E Problem Area Statements (A/IUO)

FROM

Executive Officer/DDA

EXTENSION

NO.

DD/A 77-4904

DATE

1 September 1977

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. Director/ Office of DATA PROCESSING

2.

EO

3.

C/SPD

4.

C/MS

5.

SPS?

6.

7.

EO - See me -

8.

9.

10.

11.

12.

13.

14.

15.

All Office Directors:

The attached memo from DDS&T is self-explanatory. It appears that DDS&T is honestly trying to do a better job of working in other Directorate requirements for their RD&E program. Insofar as possible, I told them we would try to forecast problem areas over the next five to seven years which would be helpful to them.

STATINTL

Suspense: 30 September 77

2 to 384 left and
Please ~~reinitiate~~
an office reply for
70 DR by 28 Sep.
If we have already
taken care of this through
our ORD/ODP coordination
committee just refer to it
and attach whatever
documentation we already
have on this.

77-4892

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DD/S&T-4023-77

30 August 1977

MEMORANDUM FOR: Executive Officer, DD/A

SUBJECT: RD&E Problem Area Statements (A/IUO)

1. (A/IUO) The formulation of the next cycle of the RD&E program could be more responsive to your needs if we had descriptions of the problem areas you foresee occurring 5 to 7 years from now. This is the average length of time required for programming and development. While the descriptions may be somewhat general at this point in time they should be based on realistic options that you are considering for that time period.

2. (A/IUO) Any other comments that provide guidance would be appreciated. An input from you during the month of September is desirable so that the DDS&T can give guidance to its offices in order that they might propose R&D programs responsive to your outyear needs. If I can be of assistance, please call me on extension [REDACTED]

STATOTHR

[REDACTED]
Chief, R&D Planning Staff
Directorate of
Science and Technology

STATINTL

DPA [Signature] 30
23 Aug 77
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26 September 1977

George:

This is my narrative to accompany whatever surrounding words are required in the reply to [REDACTED] memo. Please prepare the final for D/ODP's signature and be sure to coordinate the resulting memo to C/MS, C/SPS, DD/P and DD/A. Sorry it is not more complete.

STATINTL

Bill

ADP Problem Areas Foreseen by ODP

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